

ST-75

2-SHAFT SHREDDER

High performance and versatility makes this model ideal for any shredding company.

The ST-75's revolutionary design allows it to easily shred steel drums, plastic drums, skids, fabrics, steel and aluminum stampings, trim scrap, medical and hazardous waste, high volume confidential waste and many other materials.

STANDARD FEATURES

▶ CUTTING CHAMBER

The ST-75 shredder is offered in three cutting chamber sizes, 25" x 26", 25" x 37 5/8", 25" x 50 1/8", 25" x 62 5/8" enabling it to handle a wide range of product sizes.

▶ KNIVES

Shred-Tech Engineers have designed each knife profile and configuration to suit the application for maximum throughput, and optimum shred size.

▶ DRIVE SYSTEM

The ST-75 shredder is available with a wide range of gear reduced electric or hydraulic drives. The electric model has one or two 30, 40, 50, or 75HP motors. The hydraulic model is equipped with high torque, low speed multi-cam, radial piston motors.

▶ CONTROL PANEL

The ST-75 control panel, designed and fabricated by certified Shred-Tech technicians, features illuminated function buttons, keyed power switch, fused lockable disconnect, hour meter and a programmable logic controller for shredder functions, including knife reversal on overload.

▶ HOPPER AND STANDS

Quality is evident in the workmanship of Shred-Tech's extra heavy duty stand and hopper. As an option, the stand and hopper can be modified to suit the application or installation.

▶ HEX SHAFTS

The unique design of the machined hex shafts maximizes knife placement options and allows for easy knife removal and machine maintenance. Size for size, the hex shaft is several times stronger than a keyed shaft. The Shred-Tech hex shaft drive system, offers the highest knife-tip cutting force of any comparable shredder on the market.



The ST-75 is designed for maximum use with a wide range of materials and optimum shred size.





TECHNICAL SPECIFICATIONS	ST-75EXS	ST-75ES	ST-75E	ST-75EL
MEASUREMENTS				
M/C Length	108"	121"	134"	147"
M/C Width	51"	51"	51"	51"
M/C Height	105"	105"	105"	105"
M/C Weight	6,800 lbs	7,600 lbs	8,400 lbs	9,200 lbs
Floor Space (sq.ft.)	38	43	48	53
PRODUCT SPECIFICATIONS				
Drive	Electric	Electric	Electric	Electric
Number of Motors	1 or 2	1 or 2	1 or 2	1 or 2
Horsepower	30-150	30-150	30-150	30-150
Voltage	208-600	208-600	208-600	208-600
Hertz	50/60	50/60	50/60	50/60
Knife Thickness (STD)	5/8", 7/8", 1", 1 1/2", 2"			
Number of Knives	36, 32, 24, 16, 12	54, 48, 36, 24, 18	72, 64, 48, 32, 24	90, 80, 60, 40, 30
Knife Diameter	12 1/2"	12 1/2"	12 1/2"	12 1/2"
Hex Size	4 5/16"	4 5/16"	4 5/16"	4 5/16"
Distance Between Shafts	9 7/16"	9 7/16"	9 7/16"	9 7/16"
Cutting Chamber	25" x 26"	25" x 37 5/8"	25" x 50 1/8"	25" x 62 5/8"
Discharge Height	42"	42"	42"	42"
Hopper Height	34"	34"	34"	34"
Hopper Opening	26" x 46"	38" x 46"	50" x 46"	62" x 46"
Stand Opening (width)	25"	25"	25"	25"
Stand Opening (length)	56"	64"	76"	88"

OPTIONAL FEATURES

- PLC Interfacing for Peripheral Equipment
- Custom Stands and Hoppers
- Feed and Discharge Conveyors
- Pneumatic or Hydraulic Ram
- Explosion Proof Motors
- Modem Capabilities
- Magnetic or Eddy Current Separators
- Hydraulic Drive Options

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MAINTENANCE



Several design refinements proven successful to increase ease of maintenance and shredder durability in Shred-Tech's model line up have been incorporated into the ST-75 shredder. The new cast aluminum body design, in combination with increases in shaft hex thickness, knife diameter and spacer thickness, have resulted in superior durability and higher service factors.

Bulkhead walls and labyrinth barriers at either end of the cutting chamber provide excellent bearing and seal protection. Sectional cleaning fingers, which are removable from the top, and a light weight chamber plate ensures cutting chamber disassembly is quick and easy. Bearing and seal replacement is easily completed without the need of gearbox disassembly.

COMPLETE INFORMATION DESTRUCTION AND RECYCLING SOLUTIONS
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